

Sub C4
means for setting and storing said unique incoming call alert tone for each of said one or more service options;

means for recognizing a service option from a received paging message;

means for retrieving an incoming call alert tone corresponding to the recognized service option; and

means for generating the retrieved incoming call alert tone.

10. (Amended) A composite cellular terminal for generating a unique incoming call display message responsive to a received paging message having a recognized service option, the composite cellular terminal comprising:

means for setting and storing said unique incoming call display messages for each of said one or more service options;

means for determining whether the received paging message is for the composite cellular terminal;

means for recognizing a service option from the received paging message when the received paging message is for the composite cellular terminal;

means for retrieving an incoming call display message corresponding to the recognized service option; and

means for displaying the incoming call display message.

REMARKS

This application has been reviewed in light of the Office Action dated October 29, 2001. Claims 1-10 are currently pending in this application. Applicant requests

consideration of the rejections of Claims 1-5 and 8-9, and objection to claims 6 and 7 in view of the above amendment and the following remarks.

In the Office Action, the following grounds of rejection have been raised:

1. Claims 1-5 and 8-9 have been rejected under 35 U.S.C. § 103 (a) as being unpatentable over Bartle, et al. (U.S. Patent 6,018,655) in view of Cashman (U.S. Patent 6,157,836); and
2. Claims 6 and 7 have been objected to as being dependent upon a rejected base claim.

Regarding independent Claim 1, it is stated in the Office Action that Bartle, et al. discloses all subject matter recited in Claim 1, except for recognizing a service option from a received paging message. However, the Examiner asserts that since Cashman teaches this feature, Claim 1 would have been obvious to one of ordinary skill in the art at the time the claimed invention was made. After a thorough review of references, it is clear that amended Claim 1 is related to a method of issuing a incoming call alert tone, not a method of notifying a mobile phone user of a call or termination connection as described in Bartle, et al. In other words, a variety of services, such as short message service (SMS) and cellular digital packet data (CDPD), are discriminated by each unique incoming call tone so that the user of the mobile apparatus can easily notice what kind of mobile service is requested. However, Bartle, et al. simply describes a method for notifying the user of a call termination by checking or measuring certain factors, such as power level, data rate and so on. As a result, the combination of Bartle, et al. and Cashman does not disclose that a unique alert tone for each service option or service type is previously set to alert to a user of the mobile terminal.

Therefore, since the combination of Bartle, et al. and Cashman fails to disclose all steps of independent Claim 1, Claim 1 is believed to be patentably distinct over the combination Bartle et al. and Cashman. Claim 2 depends from Claim 1 and is believed to be patentable for at least the same reasons as Claim 1. Allowance is respectfully requested.

Regarding independent Claim 3, it is cited in the Office Action that Bartle, et al. discloses all subject matter recited in Claim 3, except for recognizing a service option from a received paging message. However, the Examiner asserts that since Cashman teaches this feature, Claim 3 would have been obvious to one of ordinary skill in the art at the time the claimed invention was made. As such, amended Claim 3 is believed to be patentable for at least the same reasons as Claim 1. Likewise, since Claim 4 depends from Claim 3, it is also believed to be patentable for at least the same reasons as Claim 3. Allowance of Claims 3 and 4 is respectfully requested.

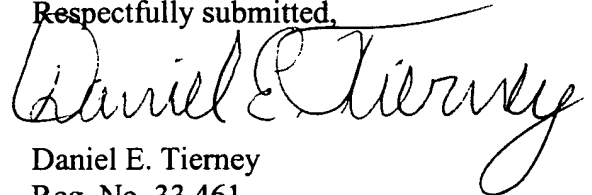
Regarding independent Claims 5 and 9, it is cited in the Office Action that Bartle, et al. discloses all subject matter recited in Claims 5 and 9, except for recognizing a service option from a received paging message. However, the Examiner asserts that since Cashman teaches this feature, Claims 5 and 9 would have been obvious to one of ordinary skill in the art at the time the claimed invention was made. Amended independent Claims 5 and 9 are also believed to be patentable for at least the same reasons as Claims 1 and 3.

Therefore, since Claim 5 is believed to be patentably distinct over Bartle, et al. and Cashman, Claims 6-8 which depend from Claim 5 are believed to be patentable for at least the same reasons as Claim 5. Allowance is respectfully requested.

It is noted that claim 10 has not been rejected by the Examiner. However, claim 10 is believed to be patentable for at least the same reason as set forth above.

In view of the above remarks and amendment, it is submitted that all of the claims pending in the application, namely, Claims 1-10, are now believed to be in condition for allowance. Allowance is respectfully requested. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicant's attorney at the number given below.

Respectfully submitted,



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**MARKED UP VERSIONS OF AMENDED CLAIMS 1, 3, 5, 6, 7, 9
and 10 IN ACCORDANCE WITH 37 CFR § 1.121**

IN THE TITLE:

-- METHOD FOR ISSUING A INCOMING CALL [TERMINATION] ALERT
ACCORDING TO SERVICE OPTIONS IN A COMPOSITE CELLULAR
TERMINAL.--

IN THE CLAIMS:

1. (Amended) A method for generating a unique incoming call
[termination] alert tone responsive to a [terminated] received call in a composite
cellular terminal providing one or more service options, the method comprising
the steps of:

setting and storing said unique incoming call [termination] alert tone for
each of said one or more service options;

recognizing a service option from a received paging message;

retrieving [a] an incoming call [termination] alert tone corresponding to the
recognized service option; and

generating the retrieved incoming call [termination] alert tone.

3. (Amended) A method for displaying a unique incoming call [termination] display
message responsive to a [terminated] received call in a composite cellular terminal
providing one or more service options, the method comprising the steps of:

setting and storing said unique incoming call [termination] display message[s] for

each of said one or more service options;

determining whether the received paging message is for the composite cellular terminal;

recognizing a service option from the received paging message when the received paging message is for the composite cellular terminal;

retrieving [a] an incoming call [termination] display message corresponding to the recognized service option; and

displaying the incoming call [termination] display message.

5. (Amended) A method for issuing a unique incoming call [termination] alert tone and a unique incoming call [termination] display message according to types of terminated calls in a composite cellular terminal providing one or more service options, the method comprising the steps of:

setting and storing a unique incoming call [termination] alert tone for each of said provided one or more service options;

setting and storing a unique incoming call [termination] display message for each of said provided one or more service options;

recognizing a service option from a received paging message;

retrieving [a] an incoming call [termination] alert tone corresponding to the recognized service option;

generating the retrieved incoming call [termination] alert tone;

retrieving [a] an incoming call [termination] display message corresponding to the recognized service option; and

displaying the incoming call [termination] display message.

6. (Amended) The method as claimed in claim 5, wherein said step of setting and storing a unique incoming call [termination] alert tone for each of said provided service options further comprises the steps of:

displaying a list of said one or more service options upon reception of [a] an incoming call [termination] alert tone setting key input;

selecting one of the displayed one or more service options in response to a user's key input;

displaying a list of incoming call [termination] alert tones;

selecting one of the displayed incoming call [termination] alert tones in response to a user's key input;

matching the selected incoming call [termination] alert tone to the selected service option;

generating the selected incoming call [termination] alert tone; and

storing the selected incoming call [termination] alert tone in association with the selected service option upon receipt of a confirmation key input.

7. (Amended) The method as claimed in claim 5, wherein said step of setting the incoming call [termination] display message[s] comprises the steps of:

displaying said one or more service options upon reception of [a] an incoming call [termination];

selecting one of the service options in response to a user's key input;

displaying a message requesting a user to input [a] an incoming call [termination]
display message;

displaying [a] an incoming call [termination] display message input by the user; and
storing the input incoming call [termination] display message in association with the
selected service option upon reception if a confirmation key.

9. (Amended) A composite cellular telephone for generating a unique incoming call
[termination] alert tone responsive to a received paging message having a recognized
service option, the composite cellular terminal comprising:

means for setting and storing said unique incoming call [termination] alert tone for
each of said one or more service options;

means for recognizing a service option from a received paging message;

means for retrieving [a] an incoming call [termination] alert tone corresponding to
the recognized service option; and

means for generating the retrieved incoming call [termination] alert tone.

10. (Amended) A composite cellular terminal for generating a unique incoming call
[termination] display message responsive to a received paging message having a
recognized service option, the composite cellular terminal comprising:

means for setting and storing said unique incoming call [termination] display
messages for each of said one or more service options;

means for determining whether the received paging message is for the composite
cellular terminal;

means for recognizing a service option from the received paging message when the received paging message is for the composite cellular terminal;

means for retrieving [a] an incoming call [termination] display message corresponding to the recognized service option; and

means for displaying the incoming call [termination] display message.